

APRIL/MAY 2024

**CEBC63 — IMMUNOLOGY**

Time : Three hours

Maximum : 75 marks



**SECTION A — (10 × 2 = 20 marks)**

Answer ALL the questions.

1. Define passive immunity.
2. Explain the term immunological memory.
3. Recall the properties of adjuvant.
4. Infer the role of MHC.
5. List the functions of complement.
6. Explain the term agglutination.
7. What is auto graft?
8. Outline the types of hypersensitivity.
9. Show the benefits of vaccination.
10. Summarize the principle behind outerculture technique.



SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Identify the structure and functions of eosinophils.

Or

- (b) Examine the structural features of spleen.

12. (a) Identify the biological functions of IgE.

Or

- (b) Examine the properties of antigen.

13. (a) Organize the types of cytokines.

Or

- (b) Analyze steps involved in classical complement pathway.

14. (a) Identify the mechanism behind type I hypersensitivity.

Or

- (b) Examine the process involved in plastic surgery.

15. (a) Organize the steps involved in the production of rDNA Vaccines.

Or

- (b) Analyze the principle behind RIA.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the mechanism of humoral immunity.

17. Deduce the types of immunoglobulin.

18. Appraise the steps involved in complement pathway.

19. Elaborate the mechanism of type II hypersensitivity.

20. Discuss the principle procedure involved in immuno electrophoresis.